

Operator Training

Statistical Inventory Reconciliation

D H E C



PROMOTE



PROTECT



PROSPER

South Carolina Department of Health
and Environmental Control

Pressurized Lines

Release detection regulations for piping state that there must be a method to look for the “big” leak (3.0 gallons per hour continuously) as well as the “little” leak (either 0.2 gallons per hour monthly or 0.1 gallons per hour yearly). Statistical Inventory Reconciliation can satisfy the requirement for the little leak. You will have an additional method line leak detection to look for the big leak.

Pressurized Lines

There are several ways to look for the big leak as well as the little leak:

- Big Leak = 3.0 gallons per hour continuously

 - Mechanical Line Leak Detector (LLD)

 - Electronic Line Leak Detector (ELD)

- Little Leak = 0.2 gallons per hour monthly or 0.1 gallons per hour annually

 - Monthly Statistical Inventory Reconciliation (0.2 gph monthly)

 - Monthly Interstitial Monitoring (0.2 gph monthly)

 - Monthly monitoring with an Electronic Line Leak Detector (0.2 gph or 0.1 gph)

 - Annual Line Tightness Test (0.1 gph yearly)

Statistical Inventory Reconciliation (SIR)

Because of the data collected, Statistical Inventory Reconciliation is a test of the entire UST system...tanks and piping. Losses are reported regardless of where they come from. So, whether you are losing fuel as a result of a tank leak, a line leak, equipment malfunction or theft, you will still get a FAIL result. All SIR reported information that applies to tanks, applies to piping as well.

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